

REMARKS

Claims 1-20, 23, 26-28, 33, 44, and 54 have been canceled. Claims 21-22, 24-25, 29-32, 34-43, and 45-53 remain pending in the application. Claims 24-25, 29-32, 34-43, and 45-51 have been withdrawn from consideration. Applicants amend claims 21 and 52 for further clarification, and refer to Fig. 16 and its corresponding description in the specification for an exemplary embodiment of and support for the claimed invention. No new matter has been added.

Claims 21-22 and 52-53 stand rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,578,085 to Khalil et al. Applicants amend claims 21 and 52 in good faith effort to further clarify the invention as distinguished from the cited reference, and respectfully traverse the rejection.

Khalil et al., as cited and relied upon by the Examiner, only describe an improved procedure for transmitting an update of mobile node ("MN") location information to a correspondent node ("CN"), and therefore, do not disclose the features with respect to the claimed proxy correspondent node provided between a correspondent terminal and a home agent.

In other words, Khalil et al., as cited and relied upon by the Examiner, fail to disclose,

"[i]n a proxy correspondent node provided between a correspondent terminal and a home agent, a method of providing a communication service to a correspondent terminal that communicates with a mobile terminal thereby establishing a communication channel between the correspondent terminal and the mobile terminal on behalf of the correspondent terminal, said method conducted by the proxy correspondent node comprising the steps of:

 hunting binding information about the mobile terminal, the binding information being information which provides a correspondence between an IP address of the mobile terminal and an IP address of a foreign agent that is accommodating the mobile terminal and the binding information being transferred from the home agent of the mobile terminal to the correspondent terminal;

processing and storing the binding information for the correspondent terminal; and
processing a data packet from the correspondent terminal to the mobile terminal based on the binding information, wherein the binding information hunting includes the steps of:

 determining whether a packet from the home agent is a binding update message,
 when the packet is a binding update message,
 determining whether a cache corresponding to the correspondent terminal has been established,
 when the cache has been established, storing the binding update message in a binding cache and a service profile cache, and
 when the cache has not been established,
 generating and transmitting a binding acknowledge message," as recited in claim 21. (Emphasis added)

Advantageously, the claimed invention provides for reducing the processing load of a CN.

Accordingly, Applicants respectfully submit that claim 21, together with claim 22 dependent therefrom, is patentable over Khalil et al. for at least the foregoing reasons. Claim 52 incorporates features that correspond to those of claim 21 cited above, and are, therefore, together with claim 53 dependent therefrom, patentable over Khalil et al. for at least the same reasons.

In view of the remarks set forth above, this application is in condition for allowance which action is respectfully requested. However, if for any reason the Examiner should consider this application not to be in condition for allowance, the Examiner is respectfully requested to telephone the undersigned attorney at the number listed below prior to issuing a further Action.

Any fee due with this paper may be charged to Deposit Account No. 50-1290.

Respectfully submitted,

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